

HEATER HAVING OVER TEMPERATURE SHUT OFF CONTROL

ABSTRACT OF THE DISCLOSURE

A heater is provided with an accurate shutoff device that shuts off (de-energized) the heater upon detecting an over temperature condition. The heater includes a body for holding material (water) to be heated and a first heating element coupled to the body for heating material within the body. The heater also includes a temperature sensitive element coupled to the body for sensing temperature, and a shutoff switch coupled to the temperature sensitive element for shutting off the first heating element when the temperature sensitive element senses a temperature limit. The heater further includes a second heating element for heating the temperature sensitive element upon activation of the switch such that the first heating element is actively forced to remain shut off.